

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number
WO 2004/092518 A1

(51) International Patent Classification⁷: **E05F 3/00**

(21) International Application Number:
PCT/US2004/011194

(22) International Filing Date: 12 April 2004 (12.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/411,736 12 April 2003 (12.04.2003) US

(71) Applicants and

(72) Inventors: DAVIS, Jonathan [US/US]; 5304 Rutland Court, Powder Springs, GA 30127 (US). DAVIS, Rebecca [US/US]; 5304 Rutland Court, Powder Springs, GA 30127 (US).

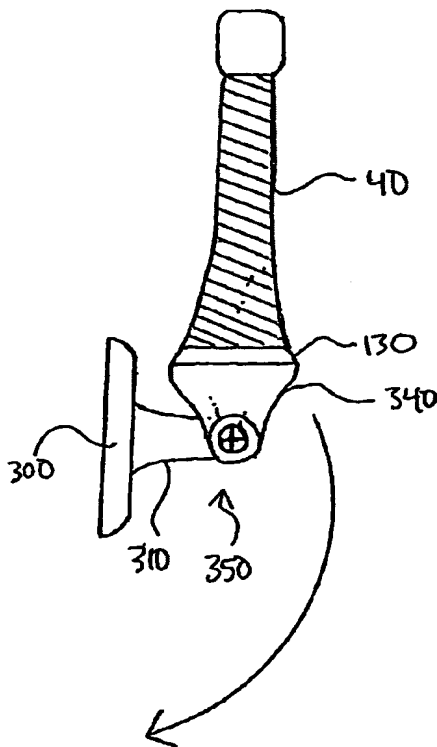
(74) Agent: SOVINSKI, Sandra; Myers & Kaplan, Intellectual Property Law LLC, 1899 Powers Ferry Road, Suite 310, Atlanta, GA 30339 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: APPARATUS FOR PROTECTING A DOOR, DOOR CASING, KNOB AND WALL UTILIZING A DOOR BUMP ANGLED BLOCK



(57) Abstract: An apparatus and method for protecting a door, door casing, door knob and wall utilizing a door bump angled block, wherein the apparatus and method changes the orientation of a door bump relative to the door and wall. The apparatus and method of the present invention allows a door bump to contact the door or wall squarely, thus allowing the door bump to effectively dissipate the forces generated when the door or wall strikes the door bump. Further, the apparatus and method of the present invention allows the user to adjust the extent to which a door may be opened by varying the position of the door bump, thereby protecting the door, door casing, door knob, wall and abutting objects.